

**GILA RIVER BASIN**

**09512165 SALT RIVER AT PRIEST DRIVE NEAR PHOENIX, AZ**

**LOCATION**--Lat 33°26'22", long 111°57'37", in NE<sub>1/4</sub>NE<sub>1/4</sub> sec. 17, T.1 N., R.4 E., Maricopa County, Hydrologic Unit 15060106, on left bank at downstream side of Priest Road bridge, 1.3 mi southeast of Phoenix main post office.

**DRAINAGE AREA**--13,223 mi<sup>2</sup>.

**PERIOD OF RECORD**--Dec. 1993 to current year.

**GAGE**--Water-stage recorder. Elevation of gage is 1,135 ft above sea level, from topographic map.

**REMARKS**--No estimated daily discharges, records fair.

**EXTREMES FOR PERIOD OF RECORD**--Maximum discharge, 81,400 ft<sup>3</sup>/s Feb. 16, 1995, gage height 12.73 ft, from rating curve adjusted for drawdown based on highwater mark profile at gage; no flow for many days each year.

**EXTREMES OUTSIDE PERIOD OF RECORD**--Maximum discharge since 1871, 300,000 ft<sup>3</sup>/s in Feb. 1891.

**EXTREMES FOR CURRENT YEAR**--Maximum discharge, 4,300 ft<sup>3</sup>/s on Feb. 14, gage height 4.45 ft. Minimum daily discharge, 0.28 ft<sup>3</sup>/s on June 20.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.79	2.3	2.3	1.6	0.88	21	1.2	3.0	0.91	0.94	0.43	0.72
2	0.71	1.9	2.2	1.5	0.86	2.5	1.3	3.2	0.91	0.84	0.32	0.69
3	0.90	1.9	2.3	1.4	0.80	2.0	1.2	3.3	1.0	0.69	0.32	0.65
4	0.76	2.4	2.3	1.2	0.81	1.8	1.2	2.6	1.0	0.53	0.97	0.74
5	1.7	3.8	2.5	1.2	0.75	1.7	1.1	1.7	1.0	0.49	0.74	0.75
6	2.5	3.0	2.4	1.2	0.82	1.8	1.1	1.4	1.1	0.50	0.70	0.57
7	1.9	2.2	2.1	1.3	0.93	1.7	0.99	1.2	0.99	0.82	0.71	0.58
8	2.4	2.0	2.0	2.1	0.79	1.8	1.0	1.2	1.00	0.95	0.77	0.76
9	3.6	2.0	1.9	1.8	0.82	1.6	1.3	1.4	1.0	0.67	0.82	1.6
10	2.2	2.2	1.9	1.7	1.2	1.8	1.4	1.2	0.65	0.69	0.87	1.6
11	0.86	2.2	1.9	1.3	0.88	1.5	1.1	1.1	0.46	0.74	1.1	0.73
12	0.83	2.3	1.8	1.1	0.61	1.1	0.98	1.6	0.48	0.75	1.5	0.60
13	0.86	2.3	1.8	1.4	6.0	1.0	0.86	1.5	0.50	0.81	1.6	0.69
14	0.92	2.3	1.8	1.2	590	0.98	1.2	1.2	0.53	0.74	1.1	1.2
15	0.98	2.3	1.7	0.98	47	0.96	1.9	1.2	0.53	0.74	1.5	1.1
16	1.1	3.3	1.8	0.97	2.4	3.5	1.0	1.2	0.54	0.99	0.78	0.76
17	1.2	3.0	2.1	0.94	2.0	2.0	1.1	1.1	0.51	0.78	0.83	0.61
18	1.3	2.3	1.8	0.86	1.7	49	0.96	1.8	0.65	0.55	1.1	0.57
19	1.5	2.3	1.7	0.82	1.7	5.7	1.1	1.6	0.44	0.52	2.2	0.62
20	2.3	2.3	1.7	0.94	1.5	2.0	1.0	0.93	0.28	0.69	1.2	0.58
21	1.8	2.3	1.7	0.92	1.4	1.7	0.88	1.2	0.30	1.2	1.1	0.61
22	1.7	2.3	1.7	0.82	1.7	1.4	0.86	1.1	0.33	0.89	0.94	0.70
23	1.7	2.3	1.9	0.79	1.5	1.8	0.81	0.93	0.66	0.38	1.5	0.66
24	1.9	2.3	1.6	0.78	1.4	1.3	0.81	0.88	0.47	0.31	0.96	1.1
25	1.9	2.3	1.6	0.78	6.0	1.3	0.81	0.89	0.40	0.35	0.90	0.83
26	3.8	2.4	1.6	1.2	60	1.2	0.86	1.2	0.40	0.37	1.7	0.75
27	2.7	2.2	1.5	0.89	18	1.2	0.88	1.2	0.39	0.42	8.5	0.70
28	1.8	2.5	1.4	0.91	7.5	1.2	1.5	0.94	0.36	0.40	1.2	1.1
29	1.7	2.9	1.5	0.90	---	1.2	2.5	0.87	0.52	7.0	0.98	1.0
30	2.3	4.3	1.6	0.87	---	1.2	3.9	0.88	0.81	2.4	0.87	1.2
31	2.3	---	1.7	0.90	---	1.2	---	0.87	---	1.00	0.81	---
TOTAL	52.91	74.1	57.8	35.27	759.95	120.14	36.80	44.39	19.12	29.15	39.02	24.77
MEAN	1.71	2.47	1.86	1.14	27.1	3.88	1.23	1.43	0.64	0.94	1.26	0.83
MAX	3.8	4.3	2.5	2.1	590	49	3.9	3.3	1.1	7.0	8.5	1.6
MIN	0.71	1.9	1.4	0.78	0.61	0.96	0.81	0.87	0.28	0.31	0.32	0.57
AC-FT	105	147	115	70	1510	238	73	88	38	58	77	49
CFSM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)**

MEAN	1.51	0.98	1.28	19.0	531	758	135	0.55	0.38	1.57	0.76	3.47
MAX	9.39	3.17	5.48	183	5309	7555	968	1.82	1.46	7.38	2.28	21.8
(WY)	2001	2001	1995	1995	1995	1995	1998	2001	2000	1999	2001	1995
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1995	1995	1996	1994	1994	1994	1994	1994	1994	1994	1994	1994

**SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1994 - 2003**

ANNUAL TOTAL	415.39	1293.42	
ANNUAL MEAN	1.14	3.54	132
HIGHEST ANNUAL MEAN			1098
LOWEST ANNUAL MEAN			0.000
HIGHEST DAILY MEAN	24	Jul 24	1995
LOWEST DAILY MEAN	0.00	Jan 3	1996
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 3	1993
ANNUAL RUNOFF (AC-FT)	824	2570	95690
ANNUAL RUNOFF (CFSM)	0.000	0.000	0.010
10 PERCENT EXCEEDS	2.3	2.4	2.2
50 PERCENT EXCEEDS	0.82	1.2	0.02
90 PERCENT EXCEEDS	0.12	0.61	0.00